



FY21 Briefing for the Bond Bill Committee

March 5, 2020

Dupont Nature Center near Milford

Updates on prior Bond Bill funding

New zoo Madagascar exhibit

Exhibition under construction at Brandywine Zoo with “Lemur Lookout”

- Broke ground in January
- Outdoor exhibit will have three types of lemurs and Radiated Tortoise



Updates on prior Bond Bill funding

Massey's Ditch dredging

- Sand dredged from Inland Bays waterway and used to replenish ocean beach north of Indian River Inlet
- Total of 130,000 cubic yards of sand expected to be pumped
- Funded by Shoreline & Waterway Management line, boat registration fees, accommodations tax



Updates on prior Bond Bill funding

Biden Center renovations

- Construction starting this spring on closed facility
- Asbestos removal
- Demolition of interior
- Removal of exterior stairwells
- Roof replacement
- HVAC and sprinkler systems



Biden Center – before & rendering of after

Updates on prior Bond Bill funding

Bellevue Park improvements

- New roof on Hunter Barn
- Exterior of Mount Pleasant School House stabilized
- Sewer pump station at Parsonage
- Paving of main entrance and roads to start in April
- Design of improvements to Percheron Barn and track
- Bathrooms in Hunter Barn (Rehab funding)



Hunter Barn roof



School House exterior

Updates on prior Bond Bill funding

RC&D successful projects

- 38 of 50 highest priority projects completed in New Castle County
- 8 priority projects in Kent and 5 in Sussex
- Carrcroft project on Baynard Boulevard
- Johnson development project near Blades



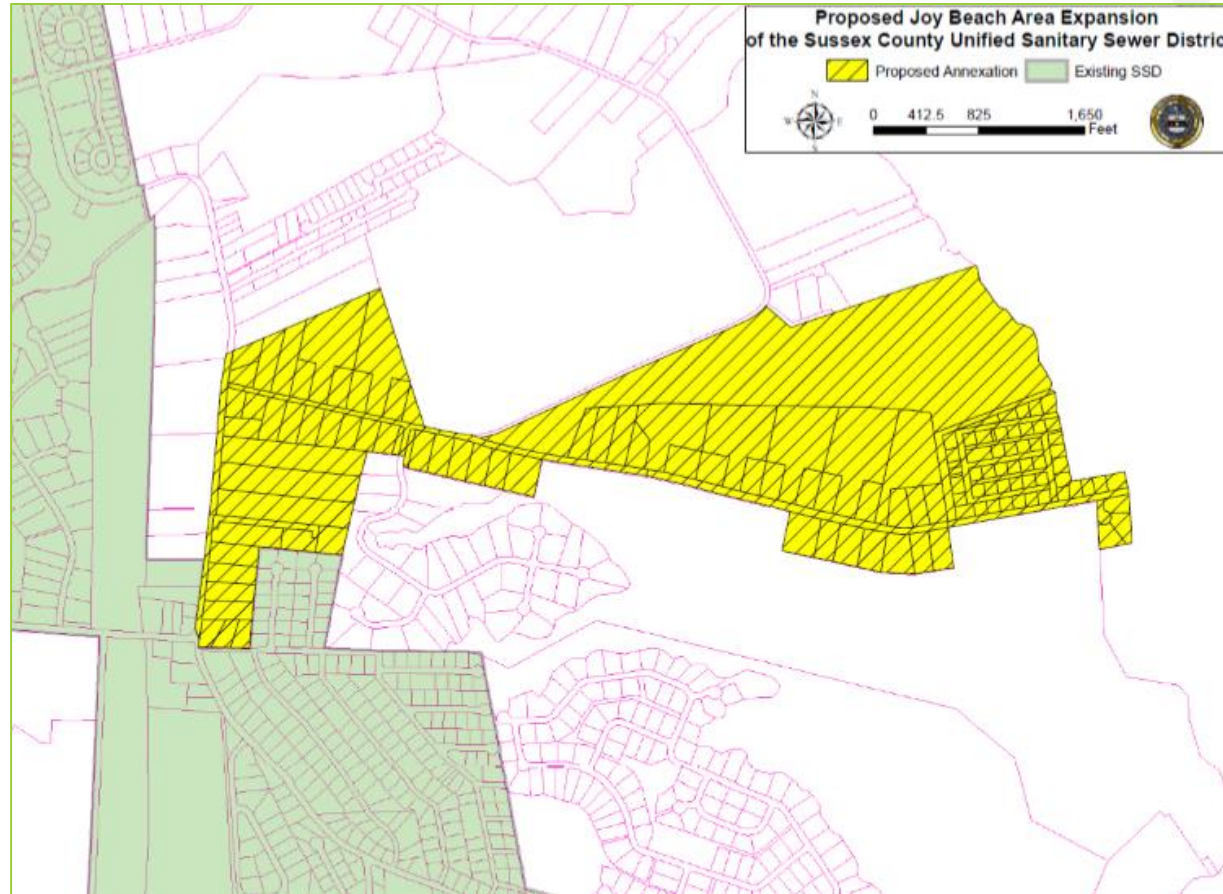
Completed drainage project in Carrcroft

Updates on prior Bond Bill funding

Record year for Clean Water financing

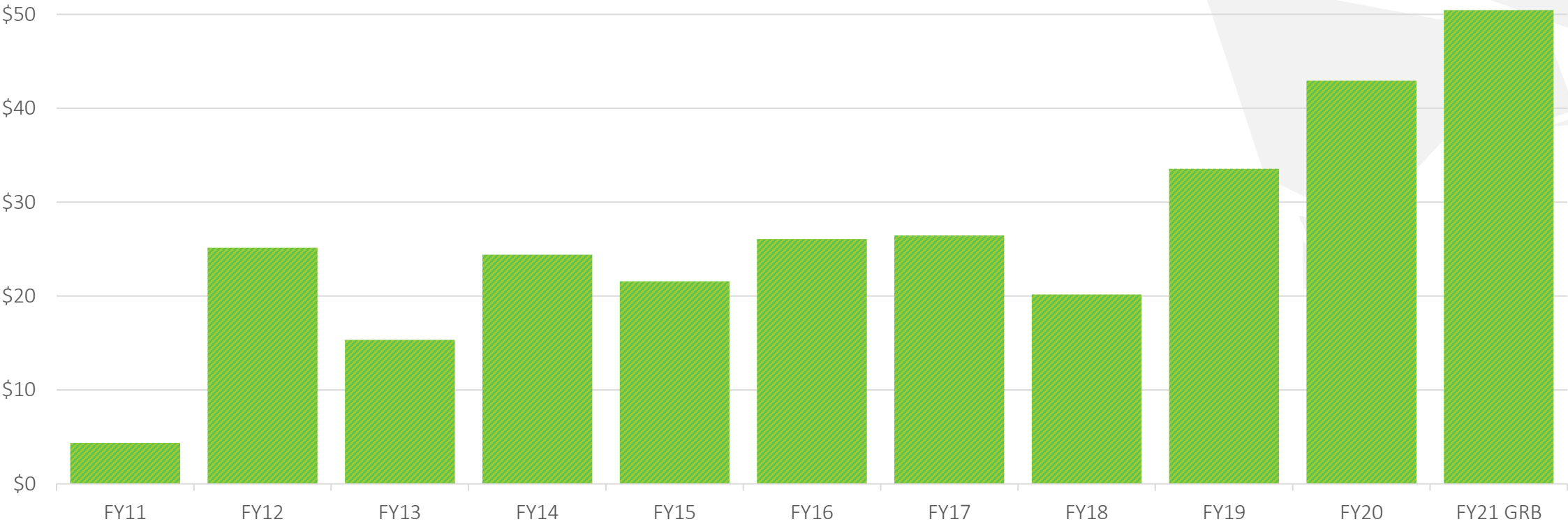
In FY19:

- 40 new clean water loans
- \$69 million in low-interest loans and subsidies
- Joy Beach project in Sussex eliminated 198 septic systems, will reduce nitrogen and phosphorus into the Inland Bays



DNREC Bond Bill History

In Millions



FY21 Recommended Bond Bill

Clean Water State Revolving Fund and Trust Initiatives	\$	22,500,000
Resource, Conservation and Development	\$	5,000,000
Park Facility Rehabilitation and Public Recreational Infrastructure	\$	6,500,000
Brandywine Zoo Master Plan Implementation	\$	2,000,000
Shoreline and Waterway Management	\$	5,000,000
Biden Center Renovations	\$	2,250,000
Conservation Cost Share	\$	1,700,000
Conservation Reserve Enhancement Program (CREP)	\$	100,000
Debris Pits	\$	500,000
Tax Ditches	\$	\$1,148,700
Dikes/Dams	\$	1,000,000
Delaware Bayshore Initiative	\$	500,000
<i>Redevelopment of Strategic Sites (Fort DuPont passthrough)</i>	\$	2,250,000
Total	\$	50,448,700

Part of Fund:

- Clean Water State Revolving Fund
- Resource, Conservation and Development
- Drinking Water State Revolving Fund

In Strategic Plan:

- Wastewater
- Stormwater
- Drinking water infrastructure
- Drainage
- Shoreline and waterway management
- Cover crop
- Conservation Reserve Enhancement Program
- Tax ditches
- Conservation cost-sharing

HS 1 for HB 200
Clean Water For Delaware

Clean Water State Revolving Fund and Trust Initiatives

\$22.5 Million

Significant increase in funding for clean water initiatives via new Trust:

- At least \$9.3 million (\$7.8 million federal and \$1.6 million state) to SRF to provide financing for public and private entities engaged in water pollution control projects
- FY19 and FY20 each included \$1.6 million for underserved communities, without matching requirements of SRF – intend to continue in FY21
- Job of Trust Committee is “to ensure the greatest environmental return on investment through the management and coordination of financial resources available to the State for drinking water, wastewater, drainage and other eligible clean water projects.”

Clean Water State Revolving Fund Balance

Beginning CWSRF Cash Balance July 1, 2019	\$	91
State Match and FY20 Capitalization Grant	\$	9.3
Estimated Interest Income & Loan Repayments for FY20	\$	21
Estimated Loans Disbursements & Administrative Expenses	\$	- 81
Estimated Fund Balance as of June 30, 2020	\$	40
Projected State Match & FY21 Capitalization Grant	\$	9.3
Projected Interest Income & Loan Repayments for FY21	\$	26
Projected Loan Disbursements & Administrative Expenses	\$	- 62
Projected Fund Balance as of June 30, 2021	\$	13.3

Clean Water Fund finances shown without additional funds beyond federal capitalization and required state match. Distribution of Water Trust funding will be determined by Clean Water Trust Oversight Committee and will likely go to revolving loan fund and other projects.

Resource, Conservation and Development

\$5 Million

Focus on watershed and drainage issues

- Partnership with 3 Conservation Districts
- 160 projects remain on priority drainage list

Park Facility Rehab and Public Recreation Infrastructure

\$6.5 Million

Improving park and wildlife areas that got more than 6 million visits in FY19

- Cape Henlopen, Delaware Seashore, Lums Pond parking lots (matched with \$2 million in federal grant funds)
- Lums entrance patching; plan for repaving
- Wildlife viewing facilities at Milford Neck and state Prime Hook wildlife areas
- Impoundment restoration and repair at Augustine Beach and Little Creek wildlife areas

Brandywine Zoo Master Plan Implementation

\$2 Million

- Quarantine building needed for arriving animals
- AZA accreditation inspection in 2021



Delaware Zoological Society graphic

Shoreline & Waterway Management

\$5 Million

- Ocean and bay beach nourishment
- Erosion control and dune maintenance
- Storm repair and cleanup
- Channel dredging and navigational marking
- Debris removal and macro-algae harvesting
- Citizen Water Quality Monitoring Program with UD



Biden Center Renovations

\$2.25 Million

- Next up: First floor renovations of training and meeting space
- Elevator
- Exterior emergency stairwell



Rendering of new meeting room in Biden Center

Conservation Cost Share

\$1.7 Million

- Matching private and federal funds to enable best practices that protect water quality
- Cover crops
- Nutrient management
- 61,607 acres enrolled FY20

Conservation Reserve Enhancement Program

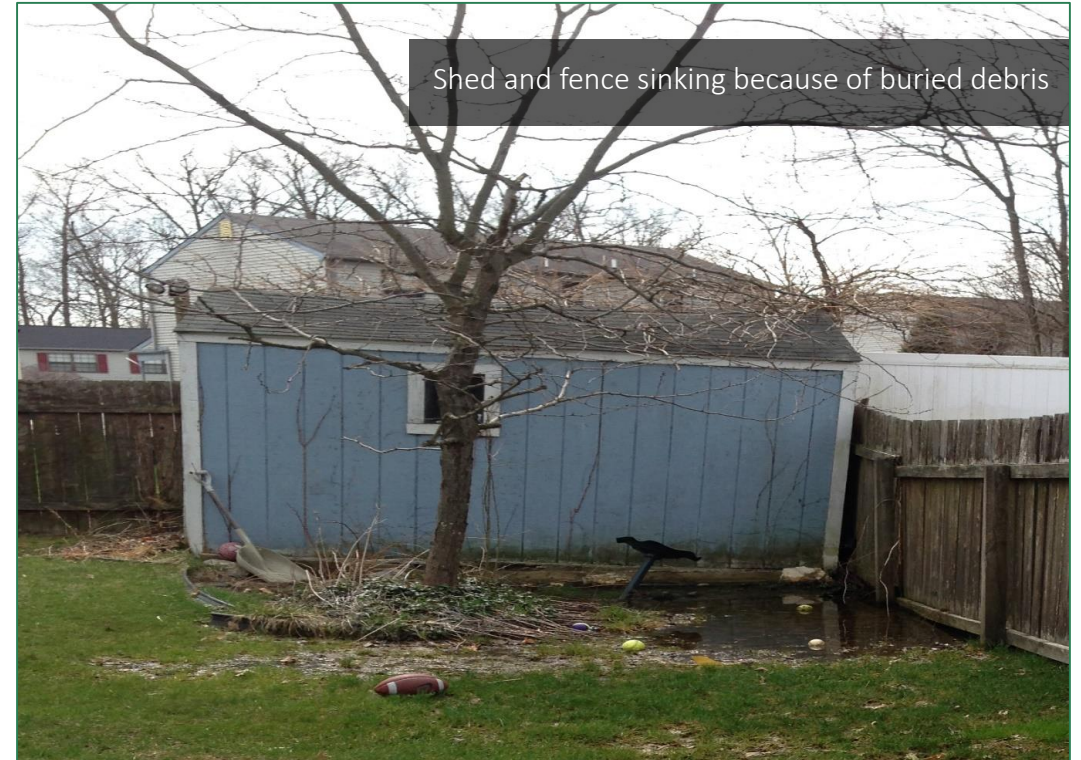
\$100,000

- Will renew about 400 acres of marginal cropland
- Funds stream buffers and restored wetlands
- State share varies 27-36%

Debris Pits

\$500,000

- 150 properties on waiting list
- RFP to contract for investigation and remediation of 40 projects in next year with FY20 funding



Tax Ditches

\$1.148 Million

- Supports 234 tax ditch organizations in the state
- Program plans, surveys, engineers, permits, constructs and inspects projects to maintain
- Vital to agricultural and, increasingly, residential areas

Dikes & Dams

\$1 Million

- Major upgrade at Mud Mill Pond
- Maintenance and repairs to Red Lion Dike
- Real-time water level monitoring of ponds at state-owned dams

Delaware Bayshore Initiative

\$500,000

Continue working to make bayshore and surrounding communities into eco-tourism destinations

- Restoration of meadow and forest, new interpretative signs at Augustine Wildlife Area
- Construction of trail at Ted Harvey Conservation Area
- Parking lot expansion at Aquatic Resources Education Center
- Design of accessible forest and marsh trails and a viewing deck at Milford Neck Wildlife Area
- Re-construction of Bowers Beach overflow parking area
- Construction of Bayshore Visitor Center at Little Creek Wildlife Area

Thanks to Our Employees, Volunteers & Partners

Thank You



Craigs Mill Pond project near Seaford, funded with Dikes and Dams Bond Bill line